

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE N/A		PAGE 1 OF 32 PAGES		
2. AMENDMENT/MODIFICATION NO. 0013		3. EFFECTIVE DATE OCT 16, 2002		4. REQUISITION/PURCHASE REQ. NO. N/A		5. PROJECT NO. (If applicable) SPEC. NO. 1278	
6. ISSUED BY CODE		7. ADMINISTERED BY (If other than Item 6) CODE					
DEPARTMENT OF THE ARMY U.S. ARMY ENGINEER DISTRICT, SACRAMENTO SACRAMENTO, CALIFORNIA 95814-2922				DEPARTMENT OF THE ARMY U.S. ARMY ENGINEER DISTRICT, SACRAMENTO SACRAMENTO, CALIFORNIA 95814-2922			

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		(√)	9A. AMENDMENT OF SOLICITATION NO.		
		X	DACA05-02-B-0006		
			9B. DATED (SEE ITEM 11) N/A		
			10A. MODIFICATION OF CONTRACTS/ORDER NO. N/A		
CODE		FACILITY CODE		10B. DATED (SEE ITEM 13) N/A	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☒ is extended, ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required) N/A		NOTE: ITEM 13 BELOW IS N/A.
--	--	-----------------------------

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(√)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. N/A
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority) N/A

E. IMPORTANT: Contractor ☐ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Michael Army Airfield (Phase 1) Dugway Proving Ground, Utah	
---	--

Note: The Bid Opening has been changed to : October 25, 2002.

2 Encl

1. Revised Pages: SF 1442, Pricing Schedule, Page 7, Page 10, Attachment No. 3, Technical Specifications Table of Contents, Section 02760 (Field Molded Sealants for Sealing Joints in Rigid Pavements)
2. Sketches: SK-1 (Joint Details)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	
15C. DATE SIGNED		16C. DATE SIGNED	

SOLICITATION, OFFER, AND AWARD (Construction, Alteration, or Repair)		1. SOLICITATION NO. DACA05-02-B-0006	2. TYPE OF SOLICITATION <input checked="" type="checkbox"/> SEALED BID (IFB) <input type="checkbox"/> NEGOTIATED(RFP)	3. DATE ISSUED 02-Aug-2002	PAGE OF PAGES 1 OF 170
IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.					
4. CONTRACT NO.		5. REQUISITION/PURCHASE REQUEST NO. W62N6M-2171- ----		6. PROJECT NO.	
7. ISSUED BY DEPARTMENT OF THE ARMY CORPS OF ENGINEERS, SACRAMENTO 1325 J STREET SACRAMENTO CA 95814-2922 TEL:(916) 557-5238		CODE DACA05 FAX: (916) 557-7842	8. ADDRESS OFFER TO (If Other Than Item 7) CODE UTAH RESIDENT OFFICE 7227 6TH STREET BUILDING 366 HILL AFB UT 84056-5214 TEL:(801) 777-2206 FAX: (801) 777-8699		
9. FOR INFORMATION CALL:	A. NAME CHERYL GANNAWAY		B. TELEPHONE NO. (Include area code) (NO COLLECT CALLS) 916-557-6933		
SOLICITATION					
NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".					
10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS(Title, identifying no., date): MICHAEL ARMY AIRFIELD (PH. 1) DUGWAY PROVING GROUND, UTAH SPECIFICATION NO. 1278 DESCRIPTION: At the site of the original airfield runway (built in 1943 and abandoned in the early 1960's), construct an interim runway to current standards. Project consists of removal of the asphalt overlay of the existing 6700-foot airstrip and reuse of the material as subgrade reinforcement in the portion of the new footprint where no previous construction has occurred (north end). Using the existing aggregate base in place, build the runway sections upward from there, resulting in a 7000-foot runway with touchdown/turnaround/overrun elements. Project also consists of construction of both concrete and asphalt batch plants in the airfield area for pavement placement. Project includes installation of airfield and a Precision Approach Path Indicator (PAPI) system and all appropriate striping. ESTIMATED COST RANGE OF PROJECT: \$10,000,000 - \$25,000,000 Any Contract awarded under this solicitation will be made pursuant to Public Law 100-656, Small Business Competitiveness Demonstration Program. See DD Form 1707, Block 6 for unrestricted/set-aside information. * For completion time See FAR 52.211-10. ** See Pricing Schedule for acceptance time in Explanation of Alternative Pricing Schedules.					
11. The Contractor shall begin performance within <u>05</u> calendar days and complete it within <u>*</u> calendar days after receiving <input type="checkbox"/> award, <input checked="" type="checkbox"/> notice to proceed. This performance period is <input checked="" type="checkbox"/> mandatory, <input type="checkbox"/> negotiable. (See FAR 52.211-10 _____.)					
12 A. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? (If "YES," indicate within how many calendar days after award in Item 12B.) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				12B. CALENDAR DAYS <u>05</u>	
13. ADDITIONAL SOLICITATION REQUIREMENTS: A. Sealed offers in original and <u>0</u> copies to perform the work required are due at the place specified in Item 8 by <u>02:00 PM</u> (hour) local time <u>OCT 25,2002</u> (date). If this is a sealed bid solicitation, offers must be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due. B. An offer guarantee <input checked="" type="checkbox"/> is, <input type="checkbox"/> is not required. C. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference. D. Offers providing less than <u>**</u> calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.					

SOLICITATION, OFFER, AND AWARD*(Construction, Alteration, or Repair)***OFFER (Must be fully completed by offeror)**

14. NAME AND ADDRESS OF OFFEROR <i>(Include ZIP Code)</i>		15. TELEPHONE NO. <i>(Include area code)</i>
		16. REMITTANCE ADDRESS <i>(Include only if different than Item 14)</i>
CODE	FACILITY CODE	

17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing within _____ calendar days after the date offers are due. *(Insert any number equal to or greater than the minimum requirements stated in Item 13D. Failure to insert any number means the offeror accepts the minimum in Item 13D.)*

AMOUNTS	SEE SCHEDULE OF PRICES
---------	------------------------

18. The offeror agrees to furnish any required performance and payment bonds.

19. ACKNOWLEDGMENT OF AMENDMENTS*(The offeror acknowledges receipt of amendments to the solicitation -- give number and date of each)*

AMENDMENT NO.										
DATE										

20A. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN
OFFER *(Type or print)*

20B. SIGNATURE

20C. OFFER DATE

AWARD (To be completed by Government)

21. ITEMS ACCEPTED:

22. AMOUNT	23. ACCOUNTING AND APPROPRIATION DATA
------------	---------------------------------------

24. SUBMIT INVOICES TO ADDRESS SHOWN IN
(4 copies unless otherwise specified)

25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO

☐ 10 U.S.C. 2304(c)

☐ 41 U.S.C. 253(c)

26. ADMINISTERED BY CODE

27. PAYMENT WILL BE MADE BY: CODE

CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE

☐ 28. NEGOTIATED AGREEMENT *(Contractor is required to sign this document and return _____ copies to issuing office.)* Contractor agrees to furnish and deliver all items or perform all work, requisitions identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications or incorporated by reference in or attached to this contract.

☐ 29. AWARD *(Contractor is not required to sign this document.)*

Your offer on this solicitation, is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.

30A. NAME AND TITLE OF CONTRACTOR OR PERSON
TO SIGN *(Type or print)*

31A. NAME OF CONTRACTING OFFICER *(Type or print)*

30B. SIGNATURE

30C. DATE

TEL:

EMAIL:

31B. UNITED STATES OF AMERICA
BY

31C. AWARD DATE

EXPLANATION OF ALTERNATIVE PRICING SCHEDULES

1. This solicitation includes two alternative construction approaches to this project.

Alternative “A” is for a 6,000 foot asphalt runway with two 500 foot concrete touchdown/turnaround/ overrun elements. This alternative will be referred to below as the “asphalt” alternative.

Alternative “B” is for a 5,000 foot asphalt runway with a 75 foot wide concrete keel and two 1,000 foot concrete touchdown/turnaround/overrun elements. This alternative will be referred to below as the “concrete keel” alternative.

2. The Government has established two separate pricing schedules for each alternative.

Pricing Schedules 1A (asphalt alternative) and 1B (concrete keel alternative) be used if the contract is awarded on or before Wednesday, January 15, 2003. The bid acceptance period for Schedules 1A and 1B is from the bid opening date through January 15, 2003

Pricing Schedules 2A (asphalt alternative) and 2B (concrete keel alternative) be used if the contract is awarded on or after Thursday, January 16, 2003 and Saturday, March 15, 2003. The bid acceptance period for Schedules 2A and 2B is January 16 through March 15, 2003.

3. Bidders may submit prices on one or more of the alternative pricing schedules; i.e., bidders are not required to submit pricing for all of the alternative schedules.
4. Bidders must submit prices for all line items on the alternative schedule(s) for which they are submitting a bid.
5. Bids for each alternative pricing schedule will be evaluated in accordance with FAR 52.217-5, “Evaluation of options”.
6. The HUBZone price evaluation preference will be applied in accordance with FAR 52.219-4, “Notice of price evaluation preference for HUBZone small business concerns”, to the bids received for each alternative pricing schedule.
7. Alternative B (concrete keel alternative) is preferred by the Government , BUT funding availability will dictate which pricing schedule is awarded.

8. The Government reserves the right to make award to the responsive, responsible low bidder on any one of the pricing schedules within the specified bid acceptance periods (i.e., for Alternative Pricing Schedule 1A or 1B, bid opening through January 15, 2003; for Alternative Pricing Schedule 2A or 2B, January 16, 2003 through March 15, 2003), in accordance with the following:

First bid acceptance period (through January 15, 2003):

If sufficient funds are made available to the contracting officer to award the concrete keel schedule, it will be awarded. If that is not possible, but sufficient funds are available to award the asphalt schedule, the asphalt schedule will be awarded. The government may at some point in time within this period have sufficient funds available for the asphalt schedule, yet continue to seek further funds to award the concrete keel schedule.

Second bid acceptance period (January 16, 2003 through March 15, 2003):

At no time during the first acceptance period were sufficient funds available to award either schedule. If sufficient funds are made available to the contracting officer during this time period to award the concrete keel schedule, it will be awarded. If that is not possible, but sufficient funds are available to award the asphalt schedule, the asphalt schedule will be awarded. The government may at some point in time within this period have sufficient funds available for the asphalt schedule, yet continue to seek further funds to award the concrete keel schedule.

ASPHALT ALTERNATIVE
 PRICING SCHEDULE 1A
 (6,000 foot asphalt runway with two 500 foot
 concrete touchdown/turnaround elements.)
 (Based on Contract Award by January 15, 2003)

BASE SCHEDULE

CONTRACTOR SHALL FURNISH ALL PLANT, LABOR, MATERIAL, EQUIPMENT, ETC. NECESSARY TO PERFORM ALL WORK IN STRICT ACCORDANCE WITH THE TERMS AND CONDITIONS SET FORTH IN THE CONTRACT TO INCLUDE ALL ATTACHMENTS THERETO.

LINE ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT OF MEASURE	UNIT PRICE	TOTAL PRICE
0001	Mobilization and Demobilization.	1	JOB	LS	\$_____
0002	Demolition of Existing Runway.	1	JOB	LS	\$_____
0003	Unclassified Excavation.	36,500*	CY	\$_____	\$_____
0004	Select Fill.	34,900*	CY	\$_____	\$_____
0005	Acceptable Fill Material.	130,700*	CY	\$_____	\$_____
0006	Subgrade Preparation.	88,800*	SY	\$_____	\$_____
0007	Subbase Course.	77,800*	CY	\$_____	\$_____
0008	Aggregate Base Course.	32,000*	CY	\$_____	\$_____
0009	Separation Layer.	124,100*	SY	\$_____	\$_____
0010	Drainage Layer.	126,500*	SY	\$_____	\$_____
0011	Concrete Pavement.	17,600*	SY	\$_____	\$_____
0012	Pre-formed Elastomeric Joints.	16,400*	LF	\$_____	\$_____
0013	Bituminous Tack Coat.	1	JOB	LS	\$_____
0014	Bituminous Prime Coat.	1	JOB	LS	\$_____
0015	Bituminous Course (2").	8,500*	SY	\$_____	\$_____
0016	Bituminous Course (4").	25,000*	SY	\$_____	\$_____
0017	Bituminous Course (5").	78,000*	SY	\$_____	\$_____
0018	Underdrain System.	1	JOB	LS	\$_____

0019	Runway Striping and Marking.	1	JOB	LS	\$_____
0020	Runway Lighting including PAPI.	1	JOB	LS	\$_____
0021	Field Molded Sealant.	2,000	LF		\$_____ \$_____

BASE PRICE \$_____

(TOTAL OF LINE ITEMS
0001 THRU 0021)

OPTION ITEMS

0022	Lighting Conduits for Taxiway Conversion	1	JOB	LS	\$_____
0023	Runway Grooving.	1	JOB	LS	\$_____
0024	Removal of Unsuitable Material...				
0024AA	Removal of Unsuitable Material	First	500*	CY	\$_____ \$_____
0024AB	Removal of Unsuitable Material.	Next	2500*	CY	\$_____ \$_____

TOTAL PRICE \$_____

(TOTAL OF BASE
PRICE PLUS
ALL OPTION ITEMS
LINE ITEMS 0001 THRU 0024)

* Estimated-Quantity Line Items

The quantities shown above marked by an asterisk are estimated quantities. The estimated quantities are not guaranteed amounts; the contractor will be paid based on actual amounts. The contractor is responsible for tracking actual quantities for each of the estimated-quantity line items. The contractor is responsible to report in writing to the Contracting Officer and the COR immediately when the actual quantities on estimated-quantity line items reach 75% of the estimated quantities. The contractor will present actual quantities and support documentation in evidence of those actual quantities on each invoice for payment against the estimated-quantity line items. The contractor shall not exceed the estimated quantities. Only the Contracting Officer by issuance of an official modification to the contract can change the estimated quantities (increase or decrease); the written, signed modification to the contract must be received by the contractor before the contractor can proceed with work over the existing estimated quantity on the contract. The modification will set the new estimated quantity that the contractor may not exceed without another modification.

* QUANTITY IS AN ESTIMATED AMOUNT. SEE SECTION 00700, FAR 52.211-18, FOR VARIATION IN ESTIMATED QUANTITY CONTRACT CLAUSE.

CONCRETE KEEL ALTERNATIVE
PRICING SCHEDULE 1B
(5,000 foot asphalt runway with a 75 foot wide concrete
keel and two 1,000 foot concrete touchdown/turnaround/overrun elements.)
(Based on Contract Award by January 15, 2003)

BASE SCHEDULE

CONTRACTOR SHALL FURNISH ALL PLANT, LABOR, MATERIAL, EQUIPMENT, ETC. NECESSARY TO PERFORM ALL WORK IN STRICT ACCORDANCE WITH THE TERMS AND CONDITIONS SET FORTH IN THE CONTRACT TO INCLUDE ALL ATTACHMENTS THERETO.

LINE ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT OF MEASURE	UNIT PRICE	TOTAL PRICE
0001	Mobilization and Demobilization.	1	JOB	LS	\$_____
0002	Demolition of Existing Runway.	1	JOB	LS	\$_____
0003	Unclassified Excavation.	14,300*	CY	\$_____	\$_____
0004	Select Fill.	30,700*	CY	\$_____	\$_____
0005	Acceptable Fill Material.	124,900*	CY	\$_____	\$_____
0006	Subgrade Preparation.	88,800*	SY	\$_____	\$_____
0007	Subbase Course.	55,600*	CY	\$_____	\$_____
0008	Aggregate Base Course.	18,400*	CY	\$_____	\$_____
0009	Separation Layer.	124,100*	SY	\$_____	\$_____
0010	Drainage Layer.	126,500*	SY	\$_____	\$_____
0011	Concrete Pavement.	66,000*	SY	\$_____	\$_____
0012	Pre-formed Elastomeric Joints.	54,300*	LF	\$_____	\$_____
0013	Bituminous Tack Coat.	1	JOB	LS	\$_____
0014	Bituminous Prime Coat.	1	JOB	LS	\$_____
0015	Bituminous Course (2").	8,500*	SY	\$_____	\$_____
0016	Bituminous Course (4").	25,000*	SY	\$_____	\$_____
0017	Bituminous Course (5").	29,600*	SY	\$_____	\$_____
0018	Underdrain System.	1	JOB	LS	\$_____

0019	Runway Striping and Marking.	1	JOB	LS	\$_____
0020	Runway Lighting including PAPI.	1	JOB	LS	\$_____
0021	Field Molded Sealant.	15,000	LF		\$_____ \$_____

BASE PRICE \$_____

(TOTAL OF LINE ITEMS
0001 THRU 0021)

OPTION ITEMS

0022	Lighting Conduits for Taxiway Conversion	1	JOB	LS	\$_____
0023	Runway Grooving.	1	JOB	LS	\$_____
0024	Removal of Unsuitable Material...				
0024AA	Removal of Unsuitable Material	First	500*	CY	\$_____ \$_____
0024AB	Removal of Unsuitable Material.	Next	2500*	CY	\$_____ \$_____

TOTAL PRICE \$_____

(TOTAL OF BASE
PRICE PLUS
ALL OPTION ITEMS
LINE ITEMS 0001 THRU 0024)

* Estimated-Quantity Line Items

The quantities shown above marked by an asterisk are estimated quantities. The estimated quantities are not guaranteed amounts; the contractor will be paid based on actual amounts. The contractor is responsible for tracking actual quantities for each of the estimated-quantity line items. The contractor is responsible to report in writing to the Contracting Officer and the COR immediately when the actual quantities on estimated-quantity line items reach 75% of the estimated quantities. The contractor will present actual quantities and support documentation in evidence of those actual quantities on each invoice for payment against the estimated-quantity line items. The contractor shall not exceed the estimated quantities. Only the Contracting Officer by issuance of an official modification to the contract can change the estimated quantities (increase or decrease); the written, signed modification to the contract must be received by the contractor before the contractor can proceed with work over the existing estimated quantity on the contract. The modification will set the new estimated quantity that the contractor may not exceed without another modification.

* QUANTITY IS AN ESTIMATED AMOUNT. SEE SECTION 00700, FAR 52.211-18, FOR VARIATION IN ESTIMATED QUANTITY CONTRACT CLAUSE.

ASPHALT ALTERNATIVE
 PRICING SCHEDULE 2A
 (6,000 foot asphalt runway with two 500 foot
 concrete touchdown/turnaround elements.)
 (Based on Contract Award January 16, 2003 through
 March 15, 2003)

BASE SCHEDULE

CONTRACTOR SHALL FURNISH ALL PLANT, LABOR, MATERIAL, EQUIPMENT, ETC. NECESSARY TO PERFORM ALL WORK IN STRICT ACCORDANCE WITH THE TERMS AND CONDITIONS SET FORTH IN THE CONTRACT TO INCLUDE ALL ATTACHMENTS THERETO.

LINE ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT OF MEASURE	UNIT PRICE	TOTAL PRICE
0001	Mobilization and Demobilization.	1	JOB	LS	\$_____
0002	Demolition of Existing Runway.	1	JOB	LS	\$_____
0003	Unclassified Excavation.	36,500*	CY	\$_____	\$_____
0004	Select Fill.	34,900*	CY	\$_____	\$_____
0005	Acceptable Fill Material.	130,900*	CY	\$_____	\$_____
0006	Subgrade Preparation.	88,800*	SY	\$_____	\$_____
0007	Subbase Course.	77,800*	CY	\$_____	\$_____
0008	Aggregate Base Course.	32,000*	CY	\$_____	\$_____
0009	Separation Layer.	124,100*	SY	\$_____	\$_____
0010	Drainage Layer.	126,500*	SY	\$_____	\$_____
0011	Concrete Pavement.	17,600*	SY	\$_____	\$_____
0012	Pre-formed Elastomeric Joints.	16,400*	LF	\$_____	\$_____
0013	Bituminous Tack Coat.	1	JOB	LS	\$_____
0014	Bituminous Prime Coat.	1	JOB	LS	\$_____
0015	Bituminous Course (2").	8,500*	SY	\$_____	\$_____
0016	Bituminous Course (4").	25,000*	SY	\$_____	\$_____
0017	Bituminous Course (5").	78,000*	SY	\$_____	\$_____
0018	Underdrain System.	1	JOB	LS	\$_____

0019	Runway Striping and Marking.	1	JOB	LS	\$_____
0020	Runway Lighting including PAPI.	1	JOB	LS	\$_____
0021	Field Molded Sealant.	2,000	LF		\$_____ \$_____

BASE PRICE \$_____

(TOTAL OF LINE ITEMS
0001 THRU 0021)

OPTION ITEMS

0022	Lighting Conduits for Taxiway Conversion	1	JOB	LS	\$_____
0023	Runway Grooving.	1	JOB	LS	\$_____
0024	Removal of Unsuitable Material...				
0024AA	Removal of Unsuitable Material	First	500*	CY	\$_____ \$_____
0024AB	Removal of Unsuitable Material.	Next	2500*	CY	\$_____ \$_____

TOTAL PRICE \$_____

(TOTAL OF BASE
PRICE PLUS
ALL OPTION ITEMS
LINE ITEMS 0001 THRU 0024)

* Estimated-Quantity Line Items

The quantities shown above marked by an asterisk are estimated quantities. The estimated quantities are not guaranteed amounts; the contractor will be paid based on actual amounts. The contractor is responsible for tracking actual quantities for each of the estimated-quantity line items. The contractor is responsible to report in writing to the Contracting Officer and the COR immediately when the actual quantities on estimated-quantity line items reach 75% of the estimated quantities. The contractor will present actual quantities and support documentation in evidence of those actual quantities on each invoice for payment against the estimated-quantity line items. The contractor shall not exceed the estimated quantities. Only the Contracting Officer by issuance of an official modification to the contract can change the estimated quantities (increase or decrease); the written, signed modification to the contract must be received by the contractor before the contractor can proceed with work over the existing estimated quantity on the contract. The modification will set the new estimated quantity that the contractor may not exceed without another modification.

* QUANTITY IS AN ESTIMATED AMOUNT. SEE SECTION 00700, FAR 52.211-18, FOR VARIATION IN ESTIMATED QUANTITY CONTRACT CLAUSE.

CONCRETE KEEL ALTERNATIVE
 PRICING SCHEDULE 2B
 (5,000 foot asphalt runway with a 75 foot wide concrete
 keel and two 1,000 foot concrete touchdown/turnaround/overrun elements.)
 (Based on Contract Award between January 16, 2003 through
 March 15, 2003)

BASE SCHEDULE

CONTRACTOR SHALL FURNISH ALL PLANT, LABOR, MATERIAL, EQUIPMENT, ETC. NECESSARY TO PERFORM ALL WORK IN STRICT ACCORDANCE WITH THE TERMS AND CONDITIONS SET FORTH IN THE CONTRACT TO INCLUDE ALL ATTACHMENTS THERETO.

LINE ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT OF MEASURE	UNIT PRICE	TOTAL PRICE
0001	Mobilization and Demobilization.	1	JOB	LS	\$_____
0002	Demolition of Existing Runway.	1	JOB	LS	\$_____
0003	Unclassified Excavation.	14,300*	CY	\$_____	\$_____
0004	Select Fill.	30,7000*	CY	\$_____	\$_____
0005	Acceptable Fill Material.	124,900*	CY	\$_____	\$_____
0006	Subgrade Preparation.	88,800*	SY	\$_____	\$_____
0007	Subbase Course.	55,600*	CY	\$_____	\$_____
0008	Aggregate Base Course.	18,400*	CY	\$_____	\$_____
0009	Separation Layer.	124,100*	SY	\$_____	\$_____
0010	Drainage Layer.	126,500*	SY	\$_____	\$_____
0011	Concrete Pavement.	66,000*	SY	\$_____	\$_____
0012	Pre-formed Elastomeric Joints.	54,300*	LF	\$_____	\$_____
0013	Bituminous Tack Coat.	1	JOB	LS	\$_____
0014	Bituminous Prime Coat.	1	JOB	LS	\$_____
0015	Bituminous Course (2").	8,500*	SY	\$_____	\$_____
0016	Bituminous Course (4").	25,000*	SY	\$_____	\$_____
0017	Bituminous Course (5").	29,600*	SY	\$_____	\$_____
0018	Underdrain System.	1	JOB	LS	\$_____

0019	Runway Striping and Marking.	1	JOB	LS	\$_____
0020	Runway Lighting including PAPI.	1	JOB	LS	\$_____
0021	Field Molded Sealant.	15,000	LF		\$_____ \$_____

BASE PRICE \$_____

(TOTAL OF LINE ITEMS
0001 THRU 0021)

OPTION ITEMS

0022	Lighting Conduits for Taxiway Conversion	1	JOB	LS	\$_____
0023	Runway Grooving.	1	JOB	LS	\$_____
0024	Removal of Unsuitable Material...				
0024AA	Removal of Unsuitable Material	First	500*	CY	\$_____ \$_____
0024AB	Removal of Unsuitable Material.	Next	2500*	CY	\$_____ \$_____

TOTAL PRICE \$_____

(TOTAL OF BASE
PRICE PLUS
ALL OPTION ITEMS
LINE ITEMS 0001 THRU 0024)

* Estimated-Quantity Line Items

The quantities shown above marked by an asterisk are estimated quantities. The estimated quantities are not guaranteed amounts; the contractor will be paid based on actual amounts. The contractor is responsible for tracking actual quantities for each of the estimated-quantity line items. The contractor is responsible to report in writing to the Contracting Officer and the COR immediately when the actual quantities on estimated-quantity line items reach 75% of the estimated quantities. The contractor will present actual quantities and support documentation in evidence of those actual quantities on each invoice for payment against the estimated-quantity line items. The contractor shall not exceed the estimated quantities. Only the Contracting Officer by issuance of an official modification to the contract can change the estimated quantities (increase or decrease); the written, signed modification to the contract must be received by the contractor before the contractor can proceed with work over the existing estimated quantity on the contract. The modification will set the new estimated quantity that the contractor may not exceed without another modification.

* QUANTITY IS AN ESTIMATED AMOUNT. SEE SECTION 00700, FAR 52.211-18, FOR VARIATION IN ESTIMATED QUANTITY CONTRACT CLAUSE.

1. Prices must be submitted on all individual items of this Pricing Schedule. Failure to do so may be cause for rejection of bids.
2. If a modification to a price based on unit price is submitted which provides for a lump sum adjustment to the total estimated price, the applications of the lump sum adjustment to each unit price in the Pricing Schedule must be stated. If it is not stated, the bidder/offeror agrees that the lump sum adjustment shall be applied on a pro rata basis to every unit price in the Pricing Schedule.
3. The bidder/offeror shall distribute his indirect costs (overhead, profit, bond, etc.) over all the items in the Pricing Schedule. The Government will review all submitted Pricing Schedules for any unbalancing of the items. Any submitted Pricing Schedule determined to be unbalanced may be considered nonresponsive and cause the bidder to be ineligible for award.
4. The successful bidder/offeror grants the options listed in the Pricing Schedule to the Government. This option may be exercised any time up to 60 days after receipt of Notice to Proceed. Exercise of the option occurs upon mailing of written notice to the Contractor. Exercise will be made by the Contracting Officer. The price for exercise of the option includes all work and effort associated with the scope of that item. For determination of lowest bid, see paragraph titled EVALUATION OF OPTIONS in Section 00100 of this solicitation. No additional time for contract completion will be allowed when an option is exercised. The given contract completion time was formulated to include time necessary to perform all option work.
5. EFARS 52.214-5000 ARITHMETIC DISCREPANCIES (MAR 1995)
 - (a) For the purpose of initial evaluation of bids/offers, the following will be utilized in resolving arithmetic discrepancies found on the face of the Pricing Schedule as submitted by bidders/offerors:
 - (1) Obviously misplaced decimal points will be corrected;
 - (2) Discrepancy between unit price and extended price, the unit price will govern;
 - (3) Apparent errors in extension of unit prices will be corrected;
 - (4) Apparent errors in addition of lump-sum and extended prices will be corrected.
 - (b) For the purpose of bid/offer evaluation, the Government will proceed on the assumption that the bidder/offeror intends the bid/offer to be evaluated on basis of the unit prices, the totals arrived at by resolution of arithmetic discrepancies as provided above and the bid/offer will be so reflected on the abstract of bids/offers.
 - (c) These correction procedures shall not be used to resolve any ambiguity concerning which bid/offer is low.
6. Measurement and Payment, for Mobilization/Demobilization shall include all costs associated with: Quarry Development, Concrete Batch Plant, Asphalt Batch Plant, Site Surveying, and Trailer Set-up (including utility connections).

7. EFARS 52.212-5001 VARIATIONS IN ESTIMATED QUANTITIES - SUBDIVIDED ITEMS
(MAR 1995)

This variation in estimated quantities clause is applicable only to Items Nos. shown with an asterisk.

a. Variation from the estimated quantity in the actual work performed under any second or subsequent sub-item or elimination of all work under such a second or subsequent sub-item will not be the basis for an adjustment in contract unit price.

b. Where the actual quantity of work performed for Items Nos. shown with an asterisk is less than 85% of the quantity of the first sub-item listed under such item, the contractor will be paid at the contract unit price for that sub-item for the actual quantity of work performed and, in addition, an equitable adjustment shall be made in accordance with the clause FAR 52.211-18, Variation in Estimated Quantities.

c. If the quantity of work performed under Items Nos. shown with an asterisk exceeds 115% or is less than 85% of the total estimated quantity of the sub-items under that item, and/or if the quantity of work performed under the second sub-item or any subsequent sub-item under Item Nos. shown with an asterisk exceeds 115% or is less than 85% of the estimated quantity of any such sub-item, and if such variation causes an increase or a decrease in the time required for performance of this contract, the contract completion time will be adjusted in accordance with the clause FAR 52.212-18, Variation in Estimated Quantities.

52.0214-4582 DIRECTIONS FOR SUBMITTING BIDS (APR 2002)

Envelopes containing bids must be sealed, marked and addressed as follows:

MARK ENVELOPES:

Solicitation No. DACA05-02-B-0006
Bid Opening Date: **OCT 25, 2002**
Bid Opening Time: 2:00 PM Local Time

ADDRESS ENVELOPES TO:

U.S. Army Engineer District, Sacramento
Utah Area Office
7227 6th Street, Bldg. 366
Hill Air Force Base, Utah 84056-5214

Handcarried bids shall be deposited with the Corps of Engineers at the above address prior to bid opening time. For bidders planning to handcarry bids to Hill AFB for the Bid Opening, be sure to plan your time sufficiently. It may take at least 45 minutes to process you through the Visitors' Center to allow entry onto the base. There are Visitors' Centers located at the South and West Gates of the base. Be sure to bring: (1) a valid driver's license, (2) a valid car registration, and (3) proof of insurance. If you do not have all of these documents, you will not be allowed entry onto the base. If the Visitors' Center requires you to have authorization from a Corps of Engineers employee, call (801) 777-2206 or (801) 825-1505.

52.0209-4501 CONTRACTOR RESPONSIBILITY, PREAWARD SURVEY (MAR 2002)

In order to determine a contractor's responsibility for purposes of contract award in accordance with FAR Part 9, the contractor is required to provide a statement regarding previous experience and past performance in performing comparable work, information related to the business organization, financial resources, and/or plant to be used in performing the work (see Attachments, Preaward Survey). The Preaward Survey is attached to the solicitation for information purposes only. It will be required from only the low bidder. After the Bid Opening, the Government will request this information from the low bidder if the low bidder has not had a contract with the **Sacramento District** within the last twelve months and the Government will set a due date for its submission. The Preaward Survey is not required as part of the bid package.

In order to be determined to be responsible a prospective contractor must:

a. Have adequate financial resources to perform the contract or the ability to obtain them.

b. Be able to comply with the required or proposed delivery or performance schedule, taking into consideration all existing commercial and governmental business commitments.

c. Have a satisfactory performance record. In making the determination of responsibility, the Government Contracting Officer shall consider relevant past performance information. A prospective contractor shall not be determined responsible or nonresponsible solely on the basis of a lack of relevant performance history except when there are special standards set forth in the solicitation which applies to all bidders that must be met in order to receive the award. These special standards may be necessary when unusual expertise or specialized facilities are necessary in the performance of the contract;

(d) In accordance with FAR 19.704 if the contract contains options, the cumulative value of the basic contract and all options is considered in determining whether a subcontracting plan is necessary. If a plan is necessary, the subcontracting plan shall contain separate parts, one for the basic contract period and one for each option period. It is necessary to address planned subcontracting dollars and percentages of total to be awarded to small businesses, small disadvantaged businesses, HUBZone small businesses, women-owned small businesses, veteran-owned small businesses, service-disabled veteran-owned small businesses, Hispanic Servicing Institutions and Tribal Council Universities, HBCU/MIs, and qualified nonprofit agencies for the blind and other severely disabled for the basic contract period and each option period. All other parts of the subcontracting plan only need to be addressed once.

(e) Subcontracts awarded to HUBZone small businesses, small disadvantaged businesses, women-owned small businesses, veteran-owned small businesses, service-disabled veteran-owned small businesses, Hispanic Servicing Institutions and Tribal Council Universities, HBCU/MIs, and qualified nonprofit agencies for the blind and other severely disabled count toward the overall small business goal. HBCU/MIs are counted as a subset of the small disadvantaged business goal. The Corps of Engineers has not been assigned separate goals for qualified nonprofit agencies for the blind and other severely disabled, HBCU/MIs, Hispanic Servicing Institutions and Tribal Council Universities, or for HUBZone small business concerns.

(f) Qualified nonprofit agencies for the blind and other severely disabled, that have been approved by the Committee for Purchase from People Who Are Blind or Severely Disabled under the Javits-Wagner-O'Day Act (41 U.S.C. 46-48), are eligible to participate in the program as a result of 10 U.S.C. 2410d and Section 9077 of Pub. L. 102-396 and similar sections in subsequent Defense appropriations acts. Under this authority, subcontracts awarded to such entities may be counted toward the prime contractor's small business subcontracting goal.

(g) Contact - Ms. Michelle Stratton (916)557-7641, Deputy for Small Business, with questions on the Subcontracting Plan requirements and further instructions on submission of Standard Forms 294 and 295 as required by FAR 52.219-9. These forms with clarifying instructions will be furnished by the Deputy for Small Business to the Contractor's Subcontracting Plan Administrator after contract award.

(h) The accepted Subcontracting Plan will be incorporated into and made a material part of the contract.

(i) The Corps of Engineers highly encourages all bidders/offers to meet the recommended subcontracting goals as follows:

<i>Small Businesses</i>	<i>71.1%</i>
<i>Small, Disadvantaged Businesses</i>	<i>10.2%</i>
<i>Women-Owned Small Businesses</i>	<i>10.6%</i>
<i>HUBZone Small Business</i>	<i>3.0%</i>
<i>Service Disabled Veteran Owned Small Business</i>	<i>3.0%</i>
<i>Veteran-Owned Small Business</i>	<i>3.0%</i>

The goals are calculated as a percentage of the TOTAL SUBCONTRACTING DOLLARS, NOT THE TOTAL CONTRACT AMOUNT.

- S A M P L E -

SUBCONTRACTING PLAN

SUBCONTRACTING PLAN SUBMITTED IN ACCORDANCE WITH PUBLIC LAW 95-507 (THE FOLLOWING FORMAT IS ESTABLISHED IN ACCORDANCE WITH FAR 52.219-9(d)(1) THROUGH (d)(11) AND INCLUDES THE REQUIRED STATUTORY ELEMENTS AS DESCRIBED IN FAR 19.704. IT ALSO INCLUDES ADDITIONAL REQUIREMENTS OF THE DFARS 219.704 AND AFARS 5119.704. EVALUATION OF THE SUBCONTRACTING PLAN BY THE GOVERNMENT WILL BE AS PRESCRIBED IN FAR 19.705 (AND ITS SUPPLEMENTS).

DO NOT JUST ADDRESS THE FOLLOWING ISSUES IN SHORT; FOLLOW THE GUIDANCE OF FAR 52.219-9 IN ITS ENTIRETY. FOR EXAMPLE, PARAGRAPH 11 BELOW ASKS FOR A DISCUSSION OF RECORDS; THE PLAN SHOULD ADDRESS ALL RECORDS AS DESCRIBED IN FAR 52.219-9(d)(11)(i) THROUGH (vi).

IN ACCORDANCE WITH FAR 19.704 IF THE CONTRACT CONTAINS OPTIONS, THE CUMULATIVE VALUE OF THE BASIC CONTRACT AND ALL OPTIONS IS CONSIDERED IN DETERMINING WHETHER A SUBCONTRACTING PLAN IS NECESSARY. ONCE IT HAS BEEN DECIDED IF A PLAN IS NECESSARY, THE SUBCONTRACTING PLAN SHALL CONTAIN SEPARATE PARTS, ONE FOR THE BASIC CONTRACT AND ONE FOR EACH OPTION. IN OTHER WORDS, IT IS NECESSARY TO ADDRESS PLANNED SUBCONTRACTING DOLLARS AND PERCENTAGES OF TOTAL TO BE AWARDED TO SMALL, SMALL DISADVANTAGED, HUBZONE SMALL, WOMEN-OWNED SMALL, VETERAN-OWNED SMALL, SERVICE-DISABLED VETERAN-OWNED SMALL, HISPANIC SERVICING INSTITUTIONS AND TRIBAL COUNCIL UNIVERSITIES, HBCU/MIs, AND QUALIFIED NONPROFIT AGENCIES FOR THE BLIND AND OTHER SEVERELY DISABLED SEPARATELY FOR THE BASIC CONTRACT PERIOD AND EACH OPTION YEAR. THEREFORE, PARAGRAPHS 1 AND 2 BELOW MUST BE PREPARED SEPARATELY FOR THE BASE YEAR AND EACH OPTION YEAR. ALL OTHER PARTS OF THE SUBCONTRACTING PLAN ONLY NEED TO BE ADDRESSED ONCE.

IF THE SUBCONTRACTING PLAN'S PROPOSED SUBCONTRACTING GOALS DO NOT MEET THE CORPS OF ENGINEERS' SUBCONTRACTING GOALS, THE SUBCONTRACTING PLAN MUST BE SUBMITTED WITH A FULL EXPLANATION OF THE REASONS FOR THE LESSER GOALS ESTABLISHED BY THE PLAN. A SMALL DISADVANTAGED BUSINESS GOAL OF LESS THAN FIVE PERCENT MUST BE APPROVED TWO LEVELS ABOVE THE CONTRACTING OFFICER (DFARS 219.705-4).

PROJECT TITLE: _____

RFP/IFB NO.: _____ CONTRACT NO.: _____

CONTRACTOR NAME: _____

DIVISION: _____

INDIVIDUAL COMPLETING THIS PLAN: _____

TELEPHONE NO.: _____

1. Goals, expressed in terms of percentages of total planned subcontracting dollars, for the use of small businesses, small disadvantaged businesses, HUBZone small businesses, women-owned small businesses, veteran-owned small businesses, service-disabled veteran-owned small businesses as subcontractors. The offeror shall include all subcontracts that contribute to contract performance and may include a proportionate share of products and services that are normally allocated as indirect costs.

Percentage Goals:		Corps of Engineers Subcontracting Goals
Small Business	_____ %	71.1%
Small Disadvantaged Business	_____ %	10.2%
Women-Owned Small Business	_____ %	10.6%
HUBZone Small Business	_____ %	3.0%
Service-Disabled Veteran-Owned Small Business	_____ %	3.0%
Veteran-Owned Small-Business	_____ %	3.0%

*Service-disabled veteran-owned small business concerns meet the definition of veteran-owned small business concerns, and offerors may also include them within the subcontracting plan goal for veteran-owned small business concerns.

2. Statement of: (i) total dollars planned to be subcontracted, (ii) total dollars planned to be subcontracted to small business; (iii) total dollars planned to be subcontracted to veteran-owned small business; (iv) total dollars planned to be subcontracted to HUBZone small business; (v) total dollars planned to be subcontracted to small disadvantaged business; and (vi) total dollars planned to be subcontracted to women-owned small business.

Total Cost of Prime Contract:	\$ _____	
Total Dollars to be Subcontracted	\$ _____	_____ % *
To Small Business	\$ _____	_____ % **
To Small Disadvantaged Business	\$ _____	_____ % **
To Women-Owned Small Business	\$ _____	_____ % **
To HUBZone Small Business	\$ _____	_____ % **
To Service-Disabled Veteran-owned Small Business	\$ _____	_____ % **
To Veteran-owned Small Business	\$ _____	_____ % **

NOTES: * Calculate percentage of Total Dollars to be Subcontracted to Total Cost of Prime Contract

** Calculate subcontracted dollars to each group to Total Dollars to be Subcontracted, NOT TO Total Cost of Prime Contract.

PLANNED SUBCONTRACTING INCLUDES ALL PLANNED EXPENDITURES. TOTAL ESTIMATED COST TO SUBCONTRACTORS AND GOALS MUST BE ESTABLISHED EVEN IF THE CONTRACT IS OF THE INDEFINITE-DELIVERY TYPE.

SUBCONTRACTS AWARDED TO SMALL DISADVANTAGED BUSINESSES, HUBZONE SMALL BUSINESSES, WOMEN-OWNED SMALL BUSINESSES, VETERAN-OWNED SMALL BUSINESSES, SERVICE-DISABLED VETERAN-OWNED SMALL BUSINESSES, HISPANIC SERVICING INSTITUTIONS, AND TRIBAL COUNCIL UNIVERSITIES, HBCU/MIs, AND

QUALIFIED NONPROFIT AGENCIES FOR THE BLIND AND OTHER SEVERELY DISABLED COUNT TOWARD THE OVERALL SMALL BUSINESS GOAL. HBCU/MIs ARE COUNTED AS A SUBSET OF THE SMALL DISADVANTAGED GOAL. THE CORPS OF ENGINEERS HAS NOT BEEN ASSIGNED A SET GOAL FOR HUBZONE SMALL BUSINESS, HISPANIC SERVICING INSTITUTION AND TRIBAL COUNCIL UNIVERSITIES, HBCU/MIs OR QUALIFIED NONPROFIT AGENCIES FOR THE BLIND AND OTHER SEVERELY DISABLED.

IN ACCORDANCE WITH DFARS 219.703, QUALIFIED NONPROFIT AGENCIES FOR THE BLIND AND OTHER SEVERELY DISABLED THAT HAVE BEEN APPROVED BY THE COMMITTEE FOR PURCHASE FROM PEOPLE WHO ARE BLIND OR SEVERELY DISABLED UNDER THE JAVITS-WAGNER-O'DAY (41 U.S.C. 46-48) ARE ELIGIBLE TO PARTICIPATE IN THE PROGRAM AS A RESULT OF 10 U.S.C. 2410d AND SECTION 9077 OF PUB. L. 102-396 AND SIMILAR SECTIONS IN SUBSEQUENT DEFENSE APPROPRIATIONS ACTS. UNDER THIS AUTHORITY SUBCONTRACTS AWARDED TO SUCH ENTITIES MAY BE COUNTED TOWARD THE PRIME CONTRACTOR'S SMALL BUSINESS SUBCONTRACTING GOAL.

3. A description of the principal types of supplies and services to be subcontracted and an identification of the types planned for subcontracting to (i) small business concerns, (ii) small disadvantaged business concerns, (iii) HUBZone small business concerns, (iv) women-owned small business concerns, (v) veteran-owned small business concerns (vi) service-disabled veteran-owned small business concerns, (vii) Hispanic Servicing Institutions, and Tribal Council Universities, (viii) HBCUs and MIs, (ix) qualified nonprofit agencies for the blind and other severely disabled.

4. A statement of the method used in developing the proposed subcontracting goals for small business concerns, small disadvantaged business concerns, HUBZone small business concerns, women-owned small business concerns, veteran-owned small business concerns, service-disabled veteran-owned small business concerns, Hispanic Servicing Institutions and Tribal Council Universities, HBCUs and MIs, and qualified nonprofit agencies for the blind and other severely disabled.

5. A description of the method used to identify potential sources for solicitation purposes to assure small, small disadvantaged, HUBZone small, women-owned small, veteran-owned small, service-disabled veteran-owned small, Hispanic Servicing Institutions and Tribal Council Universities, HBCU and MI, and qualified nonprofit agencies for the blind and other severely disabled participation (e.g., existing company source lists, the Procurement Marketing and Access Network (PRO-Net) of the Small Business Administration (SBA), the list of certified small disadvantaged business concerns of the SBA, the National Minority Purchasing Council Vendor Information Service, the Research and Information Division of the Minority Business Development Agency in the Department of Commerce, or small, veteran-owned small, HUBZone small, small disadvantaged, women-owned small business, and service-disabled veteran-owned trade associations).

6. A statement as to whether or not the offeror included indirect costs in establishing the subcontracting goals, and if so, a description of the method used to determine the proportionate share of indirect costs to be incurred with: (i) small business concerns, (ii) small disadvantaged business concerns, (iii) HUBZone small business concerns, (iv) women-owned small business concerns, (v) veteran-owned small business concerns, (vi) service-disabled veteran-owned small business concerns, (vii) Hispanic Servicing Institutions and Tribal Council Universities, (viii) HBCUs and MIs, and (ix) qualified nonprofit agencies for the blind and other severely disabled.

7. The name of the individual employed by the offeror who will administer the offeror's subcontracting program and a description of the duties of the individual.

Name: _____

Title and Telephone Number: _____

Address: _____

City, State and Zip Code: _____

Duties (Attachment may be used):

8. Describe the efforts the offeror will make to assure that small business concerns, small disadvantaged business concerns, HUBZone small business concerns, women-owned small business concerns, veteran-owned small business concerns, service-disabled veteran-owned small, business concerns, Hispanic Servicing Institutions and Tribal Council Universities, HBCUs and MIs), and qualified nonprofit agencies for the blind and other severely disabled will have an equitable opportunity to compete for subcontractors under this contract.

9. I do herewith assure that this concern will include the clause at FAR 52.219-8 entitled "Utilization of Small Business Concerns" in all subcontracts which offer further subcontracting opportunities and will require all subcontractors (except small business concerns) who receive subcontracts in excess of \$500,000 (\$1,000,000 for construction of any public facility) to adopt a plan similar to the plan agreed to by this concern and in consonance with the FAR clause 52.219-9.

10. I also assure that this concern will (i) cooperate in any studies or surveys as may be required, (ii) submit periodic reports in order to allow the Government to determine the extent of compliance by the offeror with the subcontracting plan, and (iii) submit Standard Form (SF) 294, Subcontracting Report for Individual Contracts, and SF 295, Summary Subcontract Report, in accordance with the instructions of the forms, and (iv) ensure that the subcontractors under this contract agree to submit the required SF 294s and 295s. I assure that this concern will submit an SF 295 on Corps of Engineers projects only. The SF 295 shall be completed and distributed in accordance with the Corps of Engineers supplemental instructions. I will not report Corps of Engineers projects through any other agency unless authorized by the Contracting Officer.

11. Provide a description of the types of records the offeror will maintain to demonstrate procedures which have been adopted to comply with the requirements and goals set forth in the plan, including the establishment of source lists; and a description of its efforts to locate small business, small disadvantaged business, HUBZone small business, women-owned small business, veteran-owned small business, service-disabled veteran-owned small business, Hispanic Servicing Institutions and Tribal Council Universities, HBCUs and MIs, and qualified nonprofit agencies for the blind and other severely disabled. The records shall include at least the following (on a plant-wide or company-wide basis, unless otherwise indicated):

a. Source lists (e.g., PASS), guides, and other data that identify small business, small disadvantaged business, HUBZone small business, women-owned small business, veteran-owned small business, service-disabled veteran-owned small business, Hispanic Servicing Institutions and Tribal Council Universities, HBCUs and MIs), and qualified nonprofit agencies for the blind and other severely disabled.

b. Organizations contacted in an attempt to locate sources that are small business, small disadvantaged business, HUBZone small business, women-owned small business, veteran-owned small business, service-disabled veteran-owned

small business, Hispanic Servicing Institutions and Tribal Council Universities, HBCUs and MIs), and qualified nonprofit agencies for the blind and other severely disabled.

c. Records on each subcontract solicitation resulting in an award of more than \$100,000, indicating (1) whether small business concerns were solicited and if not, why not; (2) whether veteran-owned small business concerns were solicited and if not, why not; (3) whether HUBZone small business concerns were solicited and if not, why not; (4) whether small disadvantaged business concerns were solicited and if not, why not; (5) whether women-owned small business concerns were solicited and if not, why not; (6) whether service-disabled veteran-owned small business concerns were solicited and if not, why not; (7) whether Hispanic Servicing Institutions and Tribal Council Universities concerns were solicited and if not, why not; (8) whether HBCUs and MIs were solicited and if not, why not; (9) whether qualified nonprofit agencies for the blind and other severely disabled were solicited and if not, why not; and (8) if applicable, the reason award was not made to a small business concern.

d. Records of any outreach efforts to contact (A) trade associations, (B) business development organizations, and (C) conferences and trade fairs to locate small business, small disadvantaged business, HUBZone small business, women-owned small business, veteran-owned small business, service-disabled veteran-owned small business, Hispanic Servicing Institutions and Tribal Council Universities, HBCUs and MIs, and qualified nonprofit agencies for the blind and other severely disabled sources.

e. Records of internal guidance and encouragement provided to buyers through (A) workshops, seminars, training, etc., and (B) monitoring performance to evaluate compliance with the programs's requirements.

f. On a contract-by-contract basis, records to support award data submitted by the offeror to the Government, including the name, address, and business size of each subcontractor. Contractors having company or division-wide annual plans need not comply with this requirement.

12. Discuss the extent to which the offeror has historically been successful in complying with the requirements of the clauses at FAR 52.219-8, Utilization of Small Business Concerns, and 52.219-9, Small Business Subcontracting Plan, in establishing realistic yet challenging goals and show evidence of ability to achieve the goals. Information addressing past performance on DoD contracts evidencing achievement of established subcontracting goals will be in the form of Standard Forms 294 and 295 (attach these to this plan). Offerors who have had no prior Department of Defense contracts from which to assess past performance will not be penalized. Those who have had prior DoD contracts must provide the SF 294s and 295s on past DoD contracts.

(Signature)

(Title of Corporate Officer)

PROJECT TABLE OF CONTENTS

DIVISION 01 - GENERAL REQUIREMENTS

01312A QUALITY CONTROL SYSTEM (QCS)
01320 PROJECT SCHEDULE
01330 SUBMITTAL PROCEDURES
01355 ENVIRONMENTAL PROTECTION
01451A CONTRACTOR QUALITY CONTROL
01500 TEMPORARY CONSTRUCTION FACILITIES
01505 GENERAL REQUIREMENTS

DIVISION 02 - SITE WORK

02220A DEMOLITION
02300A EARTHWORK
02316A EXCAVATION, TRENCHING, AND BACKFILLING FOR UTILITIES SYSTEMS
02620A SUBDRAINAGE SYSTEM
02714A DRAINAGE LAYER
02715N LIME TREATED SUBGRADE
02721A SUBBASE COURSES
02722A AGGREGATE BASE COURSE
02748A BITUMINOUS TACK AND PRIME COATS
02749 HOT-MIX ASPHALT (HMA) FOR AIRFIELDS
02753A CONCRETE PAVEMENT FOR AIRFIELDS AND OTHER HEAVY-DUTY PAVEMENTS
02760 FIELD MOLDED SEALANTS FOR SEALING JOINTS IN RIGID PAVEMENT
02762A COMPRESSION JOINT SEALS FOR CONCRETE PAVEMENTS
02763A PAVEMENT MARKINGS
02921A SEEDING
02981A GROOVING FOR AIRFIELD PAVEMENTS

DIVISION 03 - CONCRETE

03307A CONCRETE FOR MINOR STRUCTURES

DIVISION 16 - ELECTRICAL

16050n BASIC ELECTRICAL MATERIALS AND METHODS
16081N APPARATUS INSPECTION AND TESTING
16375A ELECTRICAL DISTRIBUTION SYSTEM, UNDERGROUND
16415A ELECTRICAL WORK, INTERIOR
16526A AIRFIELD AND HELIPORT LIGHTING AND VISUAL NAVIGATION AIDS

-- End of Project Table of Contents --

SECTION 02760A

FIELD MOLDED SEALANTS FOR SEALING JOINTS IN RIGID PAVEMENTS
03/97

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in this text by the basic designation only.

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM C 509	(1994) Elastomeric Cellular Preformed Gasket and Sealing Material
ASTM D 789	(1998) Determination of Relative Viscosity and Moisture Content of Polyamide (PA)
ASTM D 5893	(1996) Cold Applied, Single Component Chemically Curing Silicon Joint Sealant for Portland Cement Concrete Pavement

U.S. GENERAL SERVICES ADMINISTRATION (GSA)

FS SS-S-200	(Rev E; Am 2) Sealant, Joint, Two-Component, Jet-Blast-Resistant, Cold-Applied, for Portland Cement Concrete Pavement
-------------	---

1.2 UNIT PRICES

1.2.1 Measurement

The quantity of each sealing item to be paid for shall be determined by actual measurement of the number of linear feet of in-place material that has been approved by the Contracting Officer.

1.2.2 Payment

Payment shall be made at the contract unit bid prices per linear foot for the sealing items scheduled. The unit bid prices shall include the cost of all labor, materials, and the use of all equipment and tools required to complete the work.

1.3 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only. When

used, a designation following the "G" designation identifies the office that will review the submittal for the Government. The following shall be submitted in accordance with Section 01330 SUBMITTAL PROCEDURES:

SD-03 Product Data

Manufacturer's Recommendations; G, RE.

Where installation procedures, or any part thereof, are required to be in accordance with the manufacturer's recommendations, printed copies of these recommendations, 14 days prior to use on the project. Installation of the material will not be allowed until the recommendations are received. Failure to furnish these recommendations can be cause for rejection of the material.

Construction Equipment List;.

List of proposed equipment to be used in performance of construction work including descriptive data, 30 days prior to use on the project.

SD-04 Samples

Materials; G, RE.

Samples of the materials (sealant, primer if required, and backup material), in sufficient quantity for testing and approval 60 days prior to the beginning of work. No material will be allowed to be used until it has been approved.

1.4 TEST REQUIREMENTS

The joint sealant and backup or separating material shall be tested for conformance with the referenced applicable material specification. Testing of the materials shall be performed in an approved independent laboratory and certified copies of the test reports shall be submitted and approved 30 days prior to the use of the materials at the job site. Samples will be retained by the Government for possible future testing should the materials appear defective during or after application. Conformance with the requirements of the laboratory tests specified will not constitute final acceptance of the materials. Final acceptance will be based on the performance of the in-place materials.

1.5 EQUIPMENT

Machines, tools, and equipment used in the performance of the work required by this section shall be approved before the work is started and shall be maintained in satisfactory condition at all times.

1.5.1 Joint Cleaning Equipment

1.5.1.1 Concrete Saw

A self-propelled power saw with water-cooled diamond or abrasive saw blades

will be provided for cutting joints to the depths and widths specified or for refacing joints or cleaning sawed joints where sandblasting does not provide a clean joint.

1.5.1.2 Sandblasting Equipment

Sandblasting equipment shall include an air compressor, hose, and long-wearing venturi-type nozzle of proper size, shape and opening. The maximum nozzle opening should not exceed 1/4 inch. The air compressor shall be portable and shall be capable of furnishing not less than 150 cubic feet per minute and maintaining a line pressure of not less than 90 psi at the nozzle while in use. Compressor capability under job conditions must be demonstrated before approval. The compressor shall be equipped with traps that will maintain the compressed air free of oil and water. The nozzle shall have an adjustable guide that will hold the nozzle aligned with the joint approximately 1 inch above the pavement surface. The height, angle of inclination and the size of the nozzle shall be adjusted as necessary to secure satisfactory results.

1.5.1.3 Waterblasting Equipment

Waterblasting equipment shall include a trailer-mounted water tank, pumps, high-pressure hose, wand with safety release cutoff control, nozzle, and auxiliary water resupply equipment. The water tank and auxiliary resupply equipment shall be of sufficient capacity to permit continuous operations. The nozzle shall have an adjustable guide that will hold the nozzle aligned with the joint approximately 1 inch above the pavement surface. The height, angle of inclination and the size of the nozzle shall be adjustable as necessary to obtain satisfactory results. A pressure gauge mounted at the pump shall show at all times the pressure in pounds per square inch at which the equipment is operating.

1.5.1.4 Hand Tools

Hand tools may be used, when approved, for removing defective sealant from a crack and repairing or cleaning the crack faces.

1.5.2 Sealing Equipment

1.5.2.1 Two-Component, Cold-Applied, Machine Mix Sealing Equipment

The equipment used for proportioning, mixing, and installing FS SS-S-200 Type M joint sealants shall be designed to deliver two semifluid components through hoses to a portable mixer at a preset ratio of 1 to 1 by volume using pumps with an accuracy of plus or minus 5 percent for the quantity of each component. The reservoir for each component shall be equipped with mechanical agitation devices that will maintain the components in a uniform condition without entrapping air. Provisions shall be incorporated to permit thermostatically controlled indirect heating of the components, when required. However, immediately prior to proportioning and mixing, the temperature of either component shall not exceed 90 degrees F. Screens shall be provided near the top of each reservoir to remove any foreign particles or partially polymerized material that could clog fluid lines or otherwise cause misproportioning or improper mixing of the two components.

The equipment shall be capable of thoroughly mixing the two components through a range of application rates of 10 to 60 gallons per hour and through a range of application pressures from 50 to 1500 psi as required by material, climatic, or operating conditions. The mixer shall be designed for the easy removal of the supply lines for cleaning and proportioning of the components. The mixing head shall accommodate nozzles of different types and sizes as may be required by various operations. The dimensions of the nozzle shall be such that the nozzle tip will extend into the joint to allow sealing from the bottom of the joint to the top. The initially approved equipment shall be maintained in good working condition, serviced in accordance with the supplier's instructions, and shall not be altered in any way without obtaining prior approval.

1.5.2.2 Cold-Applied, Single-Component Sealing Equipment

The equipment for installing ASTM D 5893 single component joint sealants shall consist of an extrusion pump, air compressor, following plate, hoses, and nozzle for transferring the sealant from the storage container into the joint opening. The dimension of the nozzle shall be such that the tip of the nozzle will extend into the joint to allow sealing from the bottom of the joint to the top. The initially approved equipment shall be maintained in good working condition, serviced in accordance with the supplier's instructions, and shall not be altered in any way without obtaining prior approval. Small hand-held air-powered equipment (i.e., caulking guns) may be used for small applications.

1.6 TRIAL JOINT SEALANT INSTALLATION

Prior to the cleaning and sealing of the joints for the entire project, a test section of at least 200 feet long shall be prepared using the specified materials and approved equipment, so as to demonstrate the proposed joint preparation and sealing of all types of joints in the project. Following the completion of the test section and before any other joint is sealed, the test section shall be inspected to determine that the materials and installation meet the requirements specified. If it is determined that the materials or installation do not meet the requirements, the materials shall be removed, and the joints shall be recleaned and resealed at no cost to the Government. When the test section meets the requirements, it may be incorporated into the permanent work and paid for at the contract unit price per linear foot for sealing items scheduled. All other joints shall be prepared and sealed in the manner approved for sealing the test section.

1.7 DELIVERY AND STORAGE

Materials delivered to the job site shall be inspected for defects, unloaded, and stored with a minimum of handling to avoid damage. Storage facilities shall be provided by the Contractor at the job site for maintaining materials at the temperatures and conditions recommended by the manufacturer.

1.8 ENVIRONMENTAL CONDITIONS

The ambient air temperature and the pavement temperature within the joint

wall shall be a minimum of 50 degrees F and rising at the time of application of the materials. Sealant shall not be applied if moisture is observed in the joint.

PART 2 PRODUCTS

2.1 SEALANTS

Materials for sealing cracks in the various paved areas indicated on the drawings shall be as follows:

Area	Sealing Material
Concrete/Asphalt Interface Joint on Runway	FS SS-S-200 Type M or ASTM D 5893

2.2 PRIMERS

Primers, when their use is recommended by the manufacturer of the sealant, shall be as recommended by the manufacturer of the sealant.

2.3 BACKUP MATERIALS

The backup material shall be a compressible, nonshrinking, nonstaining, nonabsorbing material and shall be nonreactive with the joint sealant. The material shall have a melting point at least 5 degrees F greater than the pouring temperature of the sealant being used when tested in accordance with ASTM D 789. The material shall have a water absorption of not more than 5 percent of the sample weight when tested in accordance with ASTM C 509. The backup material shall be 25 plus or minus 5 percent larger in diameter than the nominal width of the crack.

2.4 BOND BREAKING TAPES

The bond breaking tape or separating material shall be a flexible, nonshrinkable, nonabsorbing, nonstaining, and nonreacting adhesive-backed tape. The material shall have a melting point at least 5 degrees F greater than the pouring temperature of the sealant being used when tested in accordance with ASTM D 789. The bond breaker tape shall be approximately 1/8 inch wider than the nominal width of the joint and shall not bond to the joint sealant.

PART 3 EXECUTION

3.1 PREPARATION OF JOINTS

Immediately before the installation of the sealant, the joints shall be thoroughly cleaned to remove all laitance, curing compound, filler, protrusions of hardened concrete, and old sealant from the sides and upper edges of the joint space to be sealed.

3.1.1 Existing Sealant Removal

The in-place sealant shall be cut loose from both joint faces and to the depth shown on the drawings, using the concrete saw or waterblaster as specified in paragraph EQUIPMENT. Depth shall be sufficient to accommodate any separating or backup material that is required to maintain the depth of new sealant to be installed. Prior to further cleaning operations, all loose old sealant remaining in the joint opening shall be removed by blowing with compressed air. Hand tools may be required to remove sealant from random cracks. Chipping, spalling, or otherwise damaging the concrete will not be allowed.

3.1.2 Sawing

3.1.2.1 Facing of Joints

Facing of joints shall be accomplished using a concrete saw as specified in paragraph EQUIPMENT to saw through sawed and filler-type joints to loosen and remove material until the joint is clean and open to the full specified width and depth. The blade shall be stiffened with a sufficient number of suitable dummy (used) blades or washers. Immediately following the sawing operation, the joint opening shall be thoroughly cleaned using a water jet to remove all saw cuttings and debris.

3.1.2.2 Refacing of Random Cracks

Sawing of the cracks shall be accomplished using a power-driven concrete saw as specified in paragraph EQUIPMENT. The saw blade shall be 6 inches or less in diameter to enable the saw to follow the trace of the crack. The blade shall be stiffened as necessary with suitable dummy (or used) blades or washers. Immediately following the sawing operation, the crack opening shall be thoroughly cleaned using a water jet to remove all saw cuttings and debris.

3.1.3 Sandblasting

The newly exposed concrete joint faces and the pavement surfaces extending a minimum of 1/2 inch from the joint edges shall be sandblasted or waterblasted clean. A multiple-pass technique shall be used until the surfaces are free of dust, dirt, curing compound, filler, old sealant residue laitance, or any foreign debris that might prevent the bonding of the sealant to the concrete. After final cleaning and immediately prior to sealing, the joints shall be blown out with compressed air and left completely free of debris and water.

3.1.4 Back-Up Material

When the joint opening is of a greater depth than indicated for the sealant depth, the lower portion of the joint opening shall be plugged or sealed off using a back-up material to prevent the entrance of the sealant below the specified depth. Care shall be taken to ensure that the backup material is placed at the specified depth and is not stretched or twisted during installation.

3.1.5 Bond Breaking Tape

Where inserts or filler materials contain bitumen, or the depth of the joint opening does not allow for the use of a backup material, a bond breaker separating tape will be inserted to prevent incompatibility with the filler materials and three-sided adhesion of the sealant. The tape shall be securely bonded to the bottom of the joint opening so it will not float up into the new sealant.

3.1.6 Rate of Progress of Joint Preparation

The stages of joint preparation which include sandblasting, air pressure cleaning and placing of the back-up material shall be limited to only that lineal footage that can be sealed during the same day.

3.2 PREPARATION OF SEALANT

3.2.1 Type M Sealants

The FS SS-S-200 Type M sealant components and containers shall be inspected prior to use. Any materials that contain water, hard caking of any separated constituents, nonreversible jell, or materials that are otherwise unsatisfactory shall be rejected. Settlement of constituents in a soft mass that can be readily and uniformly remixed in the field with simple tools shall not be cause for rejection. Prior to transfer of the components from the shipping containers to the appropriate reservoir of the application equipment, the materials shall be thoroughly mixed to ensure homogeneity of the components and incorporation of all constituents at the time of transfer. When necessary for remixing prior to transfer to the application equipment reservoirs, the components shall be warmed to a temperature not to exceed 90 degrees F by placing the components in heated storage or by other approved methods but in no case shall the components be heated by direct flame, or in a single walled kettle, or a kettle without an oil bath.

3.2.2 Single-Component, Cold-Applied Sealants

The ASTM D 5893 sealant and containers shall be inspected prior to use. Any materials that contain water, hard caking of any separated constituents, nonreversible jell, or materials that are otherwise unsatisfactory shall be rejected. Settlement of constituents in a soft mass that can be readily and uniformly remixed in the field with simple tools will not be cause for rejection.

3.3 INSTALLATION OF SEALANT

3.3.1 Time of Application

Joints shall be sealed immediately following final cleaning of the joint walls and following the placement of the separating or backup material. Open joints that cannot be sealed under the conditions specified, or when rain interrupts sealing operations shall be recleaned and allowed to dry prior to installing the sealant.

3.3.2 Sealing Joints

Immediately preceding, but not more than 50 feet ahead of the joint sealing operations, a final cleaning with compressed air shall be performed. The joints shall be filled from the bottom up to 1/8 inch plus or minus 1/16 inch below the pavement surface. Excess or spilled sealant shall be removed from the pavement by approved methods and shall be discarded. The sealant shall be installed in such a manner as to prevent the formation of voids and entrapped air. In no case shall gravity methods or pouring pots be used to install the sealant material. Traffic shall not be permitted over newly sealed pavement until authorized by the Contracting Officer. When a primer is recommended by the manufacturer, it shall be applied evenly to the joint faces in accordance with the manufacturer's instructions. Joints shall be checked frequently to ensure that the newly installed sealant is cured to a tack-free condition within the time specified.

3.4 INSPECTION

3.4.1 Joint Cleaning

Joints shall be inspected during the cleaning process to correct improper equipment and cleaning techniques that damage the concrete pavement in any manner. Cleaned joints shall be approved prior to installation of the separating or back-up material and joint sealant.

3.4.2 Joint Sealant Application Equipment

The application equipment shall be inspected to ensure conformance to temperature requirements, proper proportioning and mixing (if two-component sealant) and proper installation. Evidences of bubbling, improper installation, failure to cure or set shall be cause to suspend operations until causes of the deficiencies are determined and corrected.

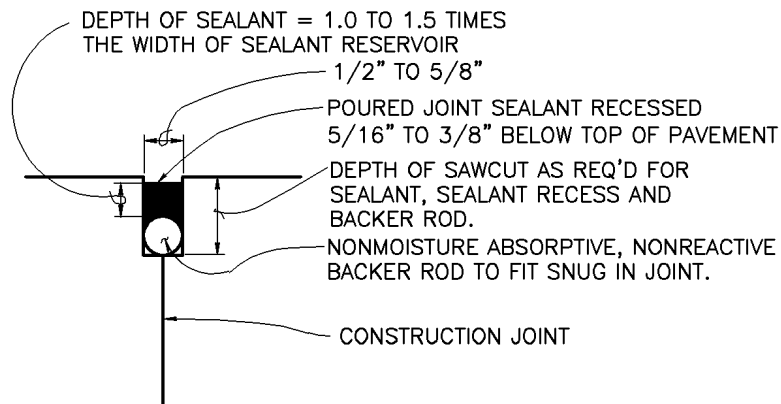
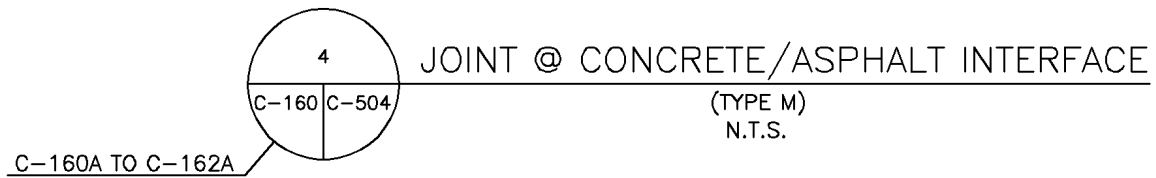
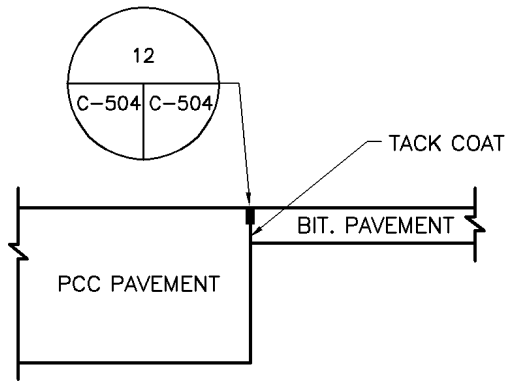
3.4.3 Joint Sealant

The joint sealant shall be inspected for proper rate of cure and set, bonding to the joint walls, cohesive separation within the sealant, reversion to liquid, entrapped air and voids. Sealants exhibiting any of these deficiencies at any time prior to the final acceptance of the project shall be removed from the joint, wasted, and replaced as specified herein at no additional cost to the Government.

3.5 CLEAN-UP

Upon completion of the project, all unused materials shall be removed from the site and the pavement shall be left in a clean condition.

-- End of Section --



DUGWAY PROVING GROUND

UTAH

MICHAEL ARMY AIRFIELD, PHASE 1

PAVEMENT DETAIL

SK-1